

02-23-07

10/11



Express Mail Label No.: EV 942364108US
Date of Deposit: February 21, 2007

Attorney Docket No.: 28460-502-NATL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Moshe Klaiman, *et al.*

ASSIGNEE: PAIEON, INC.

SERIAL NUMBER: 10/573,464

EXAMINER: Not Yet Assigned

FILING DATE: March 24, 2006

ART UNIT: Not Yet Assigned

FOR: **SYSTEM AND METHOD FOR THREE-DIMENSIONAL
RECONSTRUCTION OF A TUBULAR ORGAN**

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (2 pages);
2. Substitute for Form 1449A/PTO (3 pages), in duplicate;
3. Copies of Cited references 52-74;
4. Return Postcard.

The Commissioner is hereby authorized to charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. **50-0311**, Reference No. **28460-502-NATL**, Customer No. **35437**.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 212/935-3000, New York, New York.

Dated: February 21, 2007

Respectfully submitted,

Brian P. Hopkins, Reg. No.: 42,669
Attorney for Applicants
c/o MINTZ, LEVIN, COHN, FERRIS, *et al.*
Chrysler Center
666 Third Avenue, 24th Floor
New York, NY 10017
Phone: (212) 935-3000
Fax: (212) 983-3115

Express Mail Label No.: EV 942364108US
Date of Deposit: February 21, 2007

Attorney Docket No.: 28460-502-NAT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Moshe Klaiman, *et al.*

ASSIGNEE: PAIEON, INC.

SERIAL NUMBER: 10/573,464

EXAMINER: Not Yet Assigned

FILING DATE: March 24, 2006

ART UNIT: Not Yet Assigned

FOR:

**SYSTEM AND METHOD FOR THREE-DIMENSIONAL
RECONSTRUCTION OF A TUBULAR ORGAN**

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby makes of record the documents listed on the enclosed substitute form 1449A/PTO (submitted in duplicate) in the above-identified application, which were first cited in a communication from a foreign patent office in a counterpart application or other application not more than three months prior to the filing of the attached statement. The order of presentation of the reference should not be construed as an indication of the importance of the reference.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is required. 37 C.F.R. §1.97.

Under 37 CFR § 1.98 (a)(2)(i), copies of the cited U.S. patents and U.S. publications are not enclosed. Under 37 CFR § 1.98(a)(2), copies of the foreign and non-patent literature documents are enclosed as indicated on the attached substitute form 1449A/PTO. It is respectfully requested that the Examiner consider the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form 1449A/PTO to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

Express Mail Label No.: EV 942364108US
Date of Deposit: February 21, 2007

Attorney Docket No.: 28460-502-NAT

By submitting this Information Disclosure Statement, the Applicants make no representation that: (1) more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 28460-502-NATL, Customer No. 35437.

Respectfully submitted,



Brian P. Hopkins, Reg. No. 42,669
Attorney for Applicants
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
Chrysler Center
666 Third Avenue, 24th Floor
New York, NY 10017
Tel: (212) 935-3000
Fax: (212) 983-3115

Dated: February 21, 2007



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known Application Number: 10/573,464 Filing Date: March 24, 2006 First Named Inventor: Moshe KLAIMAN et al. Art Unit: Examiner Name: Attorney Docket Number: 28460-502-NATL	
Sheet	1	of	3		
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,583,902	12-10-1996	BAE	
	2	US-6,505,064	1-7-2003	LIU ET AL	
	3	US-6,047,080	4-4-2000	CHEN ET AL	
	4	US-6,503,203	1-7-2003	RAFTER ET AL	
	5	US-6,351,513	2-26-2002	BANI-HASHEMI ALI ET AL	
	6	US- 2002/057825	5-16-2002	EVRON RAMI ET AL	
	7	US- 6,195,577	2-27-2001	TRUWIT CHARLES ET AL	
	8	US- 5,175,773	12-29-1992	BOULIOU et al.	
	9	US- 6 748,259	6-8-2004	Benaron et al.	
	10	US- 2004/ 0136491	7-15-2004	Iatrou et al.	
	11	US- 4 263,916	4-28-1981	Brooks et al.	
	12	US- 6,246,898	6-12-2001	vesly et al.	
	13	US- 5,699,799	12-23-1997	xu et al.	
	14	US- 6,301,498	10-9-2001	greenberg et al.	
	15	US- 6,167,296	12-26-2000	Shahidi	
	16	US- 5,729,129	3-1-1998	Acker	
	17	US- 5,840,025	11-1-1998	Ben Haim	
	18	US- 6,233,476	5-1-2001	Strommer et al.	
	19	US- 6,249,695	6-1-2001	Damadian	
	20	US- 6,990,368	1-1-2006	Simon et al.	
	21	US- 2004/0102697	5-27-2004	Evron	
	22	US- 5,734,384	3-31-1998	Yanof	
	23	US- 5,175,773	12-29-1992	Garreau et al.	
	24	US- 6,501,848	12-1-2002	Carroll et al	
	25	US- 6,332,034	12-18-2001	MAKRAM-EBEID ET AL	
	26	US- 6,381,350	4-30-2002	KLINGENSMITH ET AL	
	27	US- 6,385,332	5-7-2002	ZAHALKA ET AL	
	28	US- 6,463,309	10-8-2002	ILIA	
	29	US- 5,203,777	4-20-1993	LEEQ	
	30	US- 6,544,230	4-8-2003	FLAHERTY ET AL	
	31	US- 2005/0113686	5-26-2005	PECKHAM	
	32	US- 5,718,724	2-17-1998	GOICOECHEA ET AL	
	33	US- 5,912,945	6-15-1999	DA SILVA ET AL	
	34	US- 6,027,460	9-14-1995	SHTURMAN	
	35	US- 6,290,673	9-18-2001	SHANLEY	
	36	US- 6,709,444	3-23-2004	MAKOWER	
	37	US- 6,190,353	2-20-2001	MAKOWER ET AL	
	38	US- 6,334,864	1-1-2002	AMPLATZ ET AL	
	39	US- 2003/0032866	2-13-2003	DGANY ET AL	
	40	US- 2003/0032866	2-13-2003	DGANY ET AL	
	41	US- 5446800	8-29-1995	BRIGGS ET AL	
	42	US- 4,889,128	12-26-1989	MILLAR	
	43	US- 6,094,591	7-25-2000	FOLTZ ET AL	
	44	US- 5,732,707	3-31-1998	WIDDER ET AL	

	45	US- 5,207,226	5-4-1993	BAILIN ET AL	
	46	US- 6,389,104	6-30-2000	BENI-HASHEMI ET AL	
	47	US- 6,317,621	4-27-2000	GRAUMANN ET AL	
	48	US- 6,535,756	4-7-2000	SIMON ET AL	
	49	US- 2003/0199759	4-15-2003	RICHARD	
	50	US- 3,357,550	9-9-1992	ASAHINA ET AL	
	51	US- 5,978,439	2-5-1998	KOPPE ET AL	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	52	WO 2005/020148	3-3-2005	PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH; KONINKLIJKE PHILIPS EL		
	53	WO 96 25881	8-29-1996	UNSGAARD GEIRMUND; OLSTAD BJOERN; GROENNINGSATER AAGE		
	54	WO 99 13432	3-18-1999	UNIV IOWA RES FOUND		
	55	EP 1 005 835	6-7-2000	SIEMENS ELEMA AB		
	56	WO 01 58359	8-16-2001	ZANELLI CLAUDIO I		
	57	DE 100 47 314	4-5-2001	SIEMENS CORP RES INC		
	58	EP 0 885 594	12-23-1998	MEDINOL LTD		
	59	WO 2005/031635	4-7-2005	PAIEON, INC; KLAIMAN, MOSHE; ZARKH, MICHAEL		
	60	WO 2005/008583	1-27-2005	PAIEON, INC; ZARKH, MICHAEL; KLAIMAN, MOSHE		
	61	WO 01/85030	11-15-2001	PAIEON, INC; EVRON, RAMI; ASSIS, TSURIEL; CARMIELI, REN		
	62	WO 2006/033113	3-30-2006	Paieon inc. Zarkh		
	63	WO 2006/061815	6-15-2006	Paieon Inc. Asis et al.		
	64	WO 02/36013	5-10-2002	Paieon inc. Evron		
	65	WO 03/096884	2-19-2004	JESBERGER ET AL		
	66	RU 2,119,765	10-10-1988	VAGNER ET AL		
Examiner Signature					Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/573,464
				Filing Date	March 24, 2006
				First Named Inventor	Moshe KLAIMAN et al.
				Group Art Unit	
				Examiner Name	
Sheet	3	174.1038	3	Attorney Docket Number	28460-502-NATL
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	67	PENNEY G P ET AL "A Comparison of Similarity Measures for Use in 2-D-3-D Medical Image Registration" IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, Vol. 17, No. 4. Pages 586-595			
	68	RUSSAKOFF D B ET AL "Intensity-based 2D-3D spine image registration incorporating a single fiducial marker" ACADEMIC RADIOLOGY, RESTON, VA, US, Vol. 12, No. 1. Pages 37-50			
	69	SRIHARI R ET AL "Image background search: combining object detection techniques with content-based image retrieval (CBIR) systems" CONTENT-BASED ACCESS OF IMAGE AND VIDEO LIBRARIES, 1999. (CBAIVL '99). PROCEEDINGS. IEEE WORKSHOP ON FORT COLLINS, CO, US, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 1999, Pages 97-101			
	70	EIHO S ET AL "Preoperative and intraoperative image processing for assisting endovascular stent grafting" INFORMATICS RESEARCH FOR DEVELOPMENT OF KNOWLEDGE SOCIETY INFRASTRUCTURE, 2004. ICKS 2004. INTERNATIONAL CONFERENCE ON KYOTO, JAPAN 1-2 MARCH 2004, PISCATAWAY, NJ, USA, IEEE. Pages 81-88			
	71	CLOSE R A ET AL "Accuracy Assessment of Layer Decomposition Using Simulated Angiographic Image Sequences" IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE SERVICE CENTE, PISCATAWAY, NJ, US, Vol. 20, No. 10. Pages 990-998			
	72	NELSON T R ET AL "Three-dimensional ultrasound imaging" ULTRASOUND IN MEDICINE AND BIOLOGY, NEW YORK, NY, US, Vol. 24, No. 9. Pages 1243-1270			
	73	BANKMAN I "Handbook of Medical Imaging Progressing and Analysis" 2000, ACADEMIC PRESS, SAN DIEGO, LONDON. Pages 359-374			
	74	Garreau M et al. "A knowledge-based approach for 3-D reconstruction and labeling of vascular networks from biplane Angiographic projections" IEEE transactions on medical imaging, US, IEEE inc. Vol.10, No. 2			
Signature				Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹. Applicant's unique citation designation number (optional). ². Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.